



10	796	99.4	177	3	US-10-774-149-14	Sequence 14, Appl
11	796	99.4	177	3	US-10-325-899-9345	Sequence 9345, Ap
12	796	99.4	177	5	PCT-US95-08950-7	Sequence 7, Appli
13	796	99.4	200	2	US-09-949-016-8732	Sequence 8732, Ap
14	765.5	95.6	151	7	5229115-1	Patent No. 5229115
15	425	53.1	89	2	US-09-621-976-6902	Sequence 6902, Ap
16	416.5	52.0	154	1	US-08-446-908-2	Sequence 2, Appli
17	416.5	52.0	154	1	US-08-231-205A-2	Sequence 2, Appli
18	416.5	52.0	154	1	US-08-871-161-2	Sequence 2, Appli
19	409.5	51.1	129	7	5229115-2	Patent No. 5229115
20	100	12.5	24	1	US-08-446-908-12	Sequence 12, Appl
21	100	12.5	24	1	US-08-231-205A-12	Sequence 12, Appl
22	100	12.5	24	1	US-08-871-161-12	Sequence 12, Appl
23	83.5	10.4	1093	2	US-09-315-793-52	Sequence 52, Appl
24	83.5	10.4	1093	2	US-09-538-092-701	Sequence 701, App
25	83	10.4	843	1	US-08-867-129-2	Sequence 2, Appli
26	82.5	10.3	1076	2	US-09-949-016-7421	Sequence 7421, Ap
27	77.5	9.7	357	2	US-09-692-570-9	Sequence 9, Appli
28	77	9.6	214	2	US-09-248-796A-17440	Sequence 17440, A
29	76.5	9.6	214	2	US-09-853-450-34	Sequence 34, Appl
30	76.5	9.6	214	3	US-10-666-642-1368	Sequence 1368, Ap
31	76.5	9.6	5071	3	US-10-668-767-58	Sequence 58, Appl
32	74.5	9.3	205	3	US-10-703-032-181819	Sequence 181819,
33	74.5	9.3	278	3	US-10-703-032-139778	Sequence 139778,
34	74.5	9.3	341	2	US-09-724-623-90	Sequence 90, Appl
35	74.5	9.3	341	3	US-10-288-930-90	Sequence 90, Appl
36	74	9.2	876	3	US-09-619-049-783	Sequence 783, App
37	73.5	9.2	1036	2	US-08-891-640-3	Sequence 3, Appli
38	73.5	9.2	1036	2	US-09-842-256-3	Sequence 3, Appli
39	73.5	9.2	1061	2	US-08-701-154A-5	Sequence 5, Appli
40	73	9.1	314	1	US-08-989-478-4	Sequence 4, Appli
41	73	9.1	314	2	US-08-996-685-4	Sequence 4, Appli
42	73	9.1	905	2	US-09-248-796A-16333	Sequence 16333, A
43	72.5	9.1	401	2	US-09-248-796A-15287	Sequence 15287, A
44	72.5	9.1	1854	2	US-09-004-838-108	Sequence 108, App
45	72.5	9.1	3210	2	US-09-538-092-1154	Sequence 1154, Ap

## ALIGNMENTS

## RESULT 1

US-08-318-193-84

; Sequence 84, Application US/08318193

; Patent No. 5641663

## ; GENERAL INFORMATION:

; APPLICANT: GARVIN, Robert T.

; APPLICANT: MALEK, Lawrence T.

; TITLE OF INVENTION: AN EXPRESSION SYSTEM FOR THE SECRETION

; TITLE OF INVENTION: OF BIOACTIVE HUMAN GRANULOCYTE MACROPHAGE COLONY

; TITLE OF INVENTION: STIMULATING FACTOR (GM-CSF) AND OTHER HETEROLOGOUS

; TITLE OF INVENTION: PROTEINS FROM STREPTOMYCES

; NUMBER OF SEQUENCES: 91

## ; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Foley &amp; Lardner

; STREET: 1800 Diagonal Road, Suite 500

; CITY: Alexandria

; STATE: Virginia

; COUNTRY: USA

; ZIP: 22313-0299

## ; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

## ; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/318,193

; FILING DATE:

; CLASSIFICATION: 435

## ; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/07/935,314

; FILING DATE:

; APPLICATION NUMBER: US 07/224,568

## ; ATTORNEY/AGENT INFORMATION:

; NAME: BENT, Stephen A.

; REGISTRATION NUMBER: 29,768

```

; REFERENCE/DOCKET NUMBER: 18740/116 CACO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 84:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 152 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-318-193-84

```

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Query Match          99.4%; Score 796; DB 1; Length 152;
Best Local Similarity 100.0%; Pred. No. 4.4e-85;
Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      2 DCDIEGKDGKQYESVLMVSIQLLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 61
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 DCDIEGKDGKQYESVLMVSIQLLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 60

Qy      62 RKLRFQFLKMNSTGDFDLHLLKVSEGTITILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 121
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      61 RKLRFQFLKMNSTGDFDLHLLKVSEGTITILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 120

Qy      122 EQKKLNDLCFLKRLQLQEIKTCWNKILMGTKEH 153
        ||||||||||||||||||||
Db      121 EQKKLNDLCFLKRLQLQEIKTCWNKILMGTKEH 152

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```

RESULT 2
US-08-284-393B-7
; Sequence 7, Application US/08284393B
; Patent No. 5696234
; GENERAL INFORMATION:
; APPLICANT: Zurawski, Sandra M.
; APPLICANT: Zurawski, Gerard
; TITLE OF INVENTION: MUTEINS OF MAMMALIAN CYTOKINES
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/284,393B
; FILING DATE: 01-AUG-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ching, Edwin P.
; REGISTRATION NUMBER: 34,090
; REFERENCE/DOCKET NUMBER: DX0389
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-852-9196
; TELEFAX: 415-496-1200
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-284-393B-7

```

```

Query Match          99.4%; Score 796; DB 1; Length 177;
Best Local Similarity 100.0%; Pred. No. 5.4e-85;
Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

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Qy      2 DCDIEGKDGKQYESVLMVSIQLLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 61

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```

|||||
Db      26 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 85
Qy      62 RKLRFQFLKMNSTGDFDLHLLKVSEGTITILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 121
|||||
Db      86 RKLRFQFLKMNSTGDFDLHLLKVSEGTITILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 145
Qy      122 EQKKLNDLCFLKRLLQEIKTCWNKILMGTKEH 153
|||||
Db      146 EQKKLNDLCFLKRLLQEIKTCWNKILMGTKEH 177

```

## RESULT 3

US-08-446-908-4

; Sequence 4, Application US/08446908

; Patent No. 5705149

; GENERAL INFORMATION:

; APPLICANT: Namen, Anthony E.

; APPLICANT: Goodwin, Raymond G.

; APPLICANT: Lupton, Stephen D.

; APPLICANT: Mochizuki, Diane Y.

; TITLE OF INVENTION: Interleukin-7 and Antibodies Reactive

; TITLE OF INVENTION: Therewith

; NUMBER OF SEQUENCES: 17

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Immunex Corporation

; STREET: 51 University Street

; CITY: Seattle

; STATE: WA

; COUNTRY: US

; ZIP: 98101

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: Apple Macintosh

; OPERATING SYSTEM: Apple 7.1

; SOFTWARE: Microsoft Word, Version 5.1a

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/446,908

; FILING DATE: 22-MAY-1995

; CLASSIFICATION: 514

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/231,205

; FILING DATE: 21-APR-1994

; APPLICATION NUMBER: US 07/957,649

; FILING DATE: 06-OCT-1992

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/511,438

; FILING DATE: 13-APR-1990

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/255,209

; FILING DATE: 07-OCT-1988

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/113,566

; FILING DATE: 26-OCT-1987

; ATTORNEY/AGENT INFORMATION:

; NAME: Seese, Kathryn A.

; REGISTRATION NUMBER: 32,172

; REFERENCE/DOCKET NUMBER: 2104-D

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (206) 587-0430

; TELEFAX: (206) 233-0644

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 177 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-446-908-4

Query Match 99.4%; Score 796; DB 1; Length 177;

Best Local Similarity 100.0%; Pred. No. 5.4e-85;

Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      2 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 61
|||||
Db      26 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 85

```

```
Qy      62 RKLRFQFLKMNSTGDFDLHLLKVSEGTITILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 121
|||||
Db      86 RKLRFQFLKMNSTGDFDLHLLKVSEGTITILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 145

Qy      122 EQKKLNDLCFLKRLQEIKTWNKILMGTKEH 153
|||||
Db      146 EQKKLNDLCFLKRLQEIKTWNKILMGTKEH 177
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## RESULT 4

US-08-231-205A-4

; Sequence 4, Application US/08231205A

; Patent No. 5714585

; GENERAL INFORMATION:

; APPLICANT: Namen, Anthony E.

; APPLICANT: Goodwin, Raymond G.

; APPLICANT: Lupton, Stephen D.

; APPLICANT: Mochizuki, Diane Y.

; TITLE OF INVENTION: Interleukin-7 and Antibodies Reactive

; TITLE OF INVENTION: Therewith

; NUMBER OF SEQUENCES: 17

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Immunex Corporation

; STREET: 51 University Street

; CITY: Seattle

; STATE: WA

; COUNTRY: US

; ZIP: 98101

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: Apple Macintosh

; OPERATING SYSTEM: Apple 7.1

; SOFTWARE: Microsoft Word, Version 5.1a

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/231,205A

; FILING DATE: 21-APR-1994

; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/957,649

; FILING DATE: 06-OCT-1992

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/511,438

; FILING DATE: 13-APR-1990

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/255,209

; FILING DATE: 07-OCT-1988

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/113,566

; FILING DATE: 26-OCT-1987

; ATTORNEY/AGENT INFORMATION:

; NAME: Seese, Kathryn A.

; REGISTRATION NUMBER: 32,172

; REFERENCE/DOCKET NUMBER: 2104-D

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (206) 587-0430

; TELEFAX: (206) 233-0644

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 177 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-231-205A-4

Query Match 99.4%; Score 796; DB 1; Length 177;

Best Local Similarity 100.0%; Pred. No. 5.4e-85;

Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      2 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 61
|||||
Db      26 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 85

Qy      62 RKLRFQFLKMNSTGDFDLHLLKVSEGTITILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 121
|||||
Db      86 RKLRFQFLKMNSTGDFDLHLLKVSEGTITILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 145
```

Qy 122 EQKKLNDLCFLKRLQEIKTWNKILMGTKEH 153  
 |||  
 Db 146 EQKKLNDLCFLKRLQEIKTWNKILMGTKEH 177

## RESULT 5

US-08-871-161-4

; Sequence 4, Application US/08871161

; Patent No. 5965122

; GENERAL INFORMATION:

; APPLICANT: Namen, Anthony E.

; APPLICANT: Goodwin, Raymond G.

; APPLICANT: Lupton, Stephen D.

; APPLICANT: Mochizuki, Diane Y.

; TITLE OF INVENTION: Interleukin-7 and Antibodies Reactive

; TITLE OF INVENTION: Therewith

; NUMBER OF SEQUENCES: 17

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Immunex Corporation

; STREET: 51 University Street

; CITY: Seattle

; STATE: WA

; COUNTRY: US

; ZIP: 98101

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: Apple Macintosh

; OPERATING SYSTEM: Apple 7.1

; SOFTWARE: Microsoft Word, Version 5.1a

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/871,161

; FILING DATE: 09-JUN-1997

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/446,908

; FILING DATE: 22-MAY-1995

; APPLICATION NUMBER: US 08/231,205

; FILING DATE: 21-APR-1994

; APPLICATION NUMBER: US 07/957,649

; FILING DATE: 06-OCT-1992

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/511,438

; FILING DATE: 13-APR-1990

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/255,209

; FILING DATE: 07-OCT-1988

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/113,566

; FILING DATE: 26-OCT-1987

; ATTORNEY/AGENT INFORMATION:

; NAME: Seese, Kathryn A.

; REGISTRATION NUMBER: 32,172

; REFERENCE/DOCKET NUMBER: 2104-D

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (206) 587-0430

; TELEFAX: (206) 233-0644

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 177 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-871-161-4

Query Match 99.4%; Score 796; DB 1; Length 177;

Best Local Similarity 100.0%; Pred. No. 5.4e-85;

Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 61

|||

Db 26 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 85

Qy 62 RKLRFQFLKMNSTGDFDLHLLKVSEGTILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 121

|||

Db 86 RKLRFQFLKMNSTGDFDLHLLKVSEGTILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 145

```

Qy      122 EQKKLNDLCFLKRLQEIKTCWNKILMGTKEH 153
          |||
Db      146 EQKKLNDLCFLKRLQEIKTCWNKILMGTKEH 177

```

## RESULT 6

```

US-09-462-941-14
; Sequence 14, Application US/09462941
; Patent No. 6608183
; GENERAL INFORMATION:
; APPLICANT: Cox III, George N
; APPLICANT: Bolder Biotechnology, Inc.
; TITLE OF INVENTION: Derivatives of Growth Hormone and Related Proteins
; FILE REFERENCE: 4152-1-PUS
; CURRENT APPLICATION NUMBER: US/09/462,941
; CURRENT FILING DATE: 2000-01-14
; PRIOR APPLICATION NUMBER: 60/052,516
; PRIOR FILING DATE: 1997-07-14
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-462-941-14

```

```

Query Match          99.4%; Score 796; DB 2; Length 177;
Best Local Similarity 100.0%; Pred. No. 5.4e-85;
Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      2 DCDIEGKDGKQYESVLMVSIDQLLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 61
          |||
Db      26 DCDIEGKDGKQYESVLMVSIDQLLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 85

Qy      62 RKLRFQFLKMNSTGDFDLHLLKVSEGTITILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 121
          |||
Db      86 RKLRFQFLKMNSTGDFDLHLLKVSEGTITILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 145

Qy      122 EQKKLNDLCFLKRLQEIKTCWNKILMGTKEH 153
          |||
Db      146 EQKKLNDLCFLKRLQEIKTCWNKILMGTKEH 177

```

## RESULT 7

```

US-10-400-377-14
; Sequence 14, Application US/10400377
; Patent No. 7148333
; GENERAL INFORMATION:
; APPLICANT: Cox III, George N
; APPLICANT: Bolder Biotechnology, Inc.
; TITLE OF INVENTION: Derivatives of Growth Hormone and Related Proteins
; FILE REFERENCE: 4152-1-PUS
; CURRENT APPLICATION NUMBER: US/10/400,377
; CURRENT FILING DATE: 2003-03-26
; PRIOR APPLICATION NUMBER: US/09/462,941
; PRIOR FILING DATE: 2000-01-14
; PRIOR APPLICATION NUMBER: 60/052,516
; PRIOR FILING DATE: 1997-07-14
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-400-377-14

```

```

Query Match          99.4%; Score 796; DB 3; Length 177;
Best Local Similarity 100.0%; Pred. No. 5.4e-85;
Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      2 DCDIEGKDGKQYESVLMVSIDQLLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 61
          |||
Db      26 DCDIEGKDGKQYESVLMVSIDQLLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 85

Qy      62 RKLRFQFLKMNSTGDFDLHLLKVSEGTITILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 121

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|||||
Db      86 RKLRFQFLKMNSTGDFDLHLLKVSEGTITILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 145
|||||
Qy      122 EQKKLNDLCFLKRLQEIKTWCWNKILMGTKHEH 153
|||||
Db      146 EQKKLNDLCFLKRLQEIKTWCWNKILMGTKHEH 177

```

## RESULT 8

```

US-10-298-148-14
; Sequence 14, Application US/10298148
; Patent No. 7153943
; GENERAL INFORMATION:
; APPLICANT: Cox III, George N
; APPLICANT: Bolder Biotechnology, Inc.
; TITLE OF INVENTION: Derivatives of Growth Hormone and Related Proteins
; FILE REFERENCE: 4152-1-PUS
; CURRENT APPLICATION NUMBER: US/10/298,148
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US/09/462,941
; PRIOR FILING DATE: 2000-01-14
; PRIOR APPLICATION NUMBER: 60/052,516
; PRIOR FILING DATE: 1997-07-14
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-298-148-14

```

```

Query Match          99.4%; Score 796; DB 3; Length 177;
Best Local Similarity 100.0%; Pred. No. 5.4e-85;
Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      2 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 61
|||||
Db      26 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 85
|||||
Qy      62 RKLRFQFLKMNSTGDFDLHLLKVSEGTITILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 121
|||||
Db      86 RKLRFQFLKMNSTGDFDLHLLKVSEGTITILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 145
|||||
Qy      122 EQKKLNDLCFLKRLQEIKTWCWNKILMGTKHEH 153
|||||
Db      146 EQKKLNDLCFLKRLQEIKTWCWNKILMGTKHEH 177

```

## RESULT 9

```

US-10-773-654-14
; Sequence 14, Application US/10773654
; Patent No. 7214779
; GENERAL INFORMATION:
; APPLICANT: Cox III, George N
; APPLICANT: Bolder Biotechnology, Inc.
; TITLE OF INVENTION: Derivatives of Growth Hormone and Related Proteins
; FILE REFERENCE: 4152-1-PUS
; CURRENT APPLICATION NUMBER: US/10/773,654
; CURRENT FILING DATE: 2004-02-05
; PRIOR APPLICATION NUMBER: US/10/400,377
; PRIOR FILING DATE: 2003-03-26
; PRIOR APPLICATION NUMBER: US/09/462,941
; PRIOR FILING DATE: 2000-01-14
; PRIOR APPLICATION NUMBER: 60/052,516
; PRIOR FILING DATE: 1997-07-14
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-773-654-14

```

```

Query Match          99.4%; Score 796; DB 3; Length 177;
Best Local Similarity 100.0%; Pred. No. 5.4e-85;
Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```



```

Qy      2 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 61
        |||
Db      26 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 85

Qy      62 RKLRFQFLKMNSTGDFDLHLLKVSEGTTILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 121
        |||
Db      86 RKLRFQFLKMNSTGDFDLHLLKVSEGTTILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 145

Qy      122 EQKKLNDLCFLKRLLEIKTCWNKILMGTKHEH 153
        |||
Db      146 EQKKLNDLCFLKRLLEIKTCWNKILMGTKHEH 177

```

## RESULT 10

US-10-774-149-14

; Sequence 14, Application US/10774149

; Patent No. 7232885

; GENERAL INFORMATION:

; APPLICANT: Cox III, George N

; APPLICANT: Bolder Biotechnology, Inc.

; TITLE OF INVENTION: Derivatives of Growth Hormone and Related Proteins

; FILE REFERENCE: 4152-1-PUS

; CURRENT APPLICATION NUMBER: US/10/774,149

; CURRENT FILING DATE: 2004-02-05

; PRIOR APPLICATION NUMBER: US/10/400,377

; PRIOR FILING DATE: 2003-03-26

; PRIOR APPLICATION NUMBER: US/09/462,941

; PRIOR FILING DATE: 2000-01-14

; PRIOR APPLICATION NUMBER: 60/052,516

; PRIOR FILING DATE: 1997-07-14

; NUMBER OF SEQ ID NOS: 41

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 14

; LENGTH: 177

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-774-149-14

Query Match 99.4%; Score 796; DB 3; Length 177;

Best Local Similarity 100.0%; Pred. No. 5.4e-85;

Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      2 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 61
        |||
Db      26 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 85

Qy      62 RKLRFQFLKMNSTGDFDLHLLKVSEGTTILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 121
        |||
Db      86 RKLRFQFLKMNSTGDFDLHLLKVSEGTTILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 145

Qy      122 EQKKLNDLCFLKRLLEIKTCWNKILMGTKHEH 153
        |||
Db      146 EQKKLNDLCFLKRLLEIKTCWNKILMGTKHEH 177

```

## RESULT 11

US-10-325-899-9345

; Sequence 9345, Application US/10325899

; Patent No. 7235358

; GENERAL INFORMATION:

; APPLICANT: Wohlgemuth, Jay

; APPLICANT: Fry, Kirk

; APPLICANT: Ly, Ngoc

; APPLICANT: Woodward, Robert

; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING TRANSPLANT

; TITLE OF INVENTION: REJECTION

; FILE REFERENCE: 506612000122

; CURRENT APPLICATION NUMBER: US/10/325,899

; CURRENT FILING DATE: 2002-12-20

; PRIOR APPLICATION NUMBER: US 60/296,764

; PRIOR FILING DATE: 2001-06-08

; PRIOR APPLICATION NUMBER: US 10/006,290

; PRIOR FILING DATE: 2001-10-22

; PRIOR APPLICATION NUMBER: US 10/131,831

; PRIOR FILING DATE: 2002-04-24

```
; NUMBER OF SEQ ID NOS: 9966
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9345
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-325-899-9345
```

```
Query Match          99.4%; Score 796; DB 3; Length 177;
Best Local Similarity 100.0%; Pred. No. 5.4e-85;
Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      2 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 61
        |||
Db      26 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 85

Qy      62 RKLRFKLMNSTGDFDLHLLKVSEGTITILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 121
        |||
Db      86 RKLRFKLMNSTGDFDLHLLKVSEGTITILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 145

Qy      122 EQKKLNDLCFLKRLQEIKTWNKILMGTKEH 153
        |||
Db      146 EQKKLNDLCFLKRLQEIKTWNKILMGTKEH 177
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## RESULT 12

PCT-US95-08950-7

; Sequence 7, Application PC/TUS9508950

## ; GENERAL INFORMATION:

```
; APPLICANT: Zurawski, Sandra M.
; APPLICANT: Zurawski, Gerard
; TITLE OF INVENTION: MUTEINS OF MAMMALIAN CYTOKINES
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
```

## ; COMPUTER READABLE FORM:

```
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
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## ; CURRENT APPLICATION DATA:

```
; APPLICATION NUMBER: PCT/US95/08950
; FILING DATE:
; CLASSIFICATION:
```

## ; PRIOR APPLICATION DATA:

```
; APPLICATION NUMBER: US 08/284,393
; FILING DATE: 01-AUG-1994
```

## ; ATTORNEY/AGENT INFORMATION:

```
; NAME: Ching, Edwin P.
; REGISTRATION NUMBER: 34,090
; REFERENCE/DOCKET NUMBER: DX0389
```

## ; TELECOMMUNICATION INFORMATION:

```
; TELEPHONE: 415-852-9196
; TELEFAX: 415-496-1200
```

; INFORMATION FOR SEQ ID NO: 7:

## ; SEQUENCE CHARACTERISTICS:

```
; LENGTH: 177 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
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PCT-US95-08950-7

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Query Match          99.4%; Score 796; DB 5; Length 177;
Best Local Similarity 100.0%; Pred. No. 5.4e-85;
Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      2 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 61
        |||
Db      26 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 85
```

```

Qy      62 RKLRFQFLKMNSTGDFDLHLLKVSEGTILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 121
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      86 RKLRFQFLKMNSTGDFDLHLLKVSEGTILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 145

Qy      122 EQKKLNDLCFLKRLQEIKTCWNKILMGTKEH 153
        ||||||||||||||||||||||||||||||||||
Db      146 EQKKLNDLCFLKRLQEIKTCWNKILMGTKEH 177

```

## RESULT 13

```

US-09-949-016-8732
; Sequence 8732, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8732
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8732

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Query Match          99.4%; Score 796; DB 2; Length 200;
Best Local Similarity 100.0%; Pred. No. 6.4e-85;
Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      2 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 61
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      49 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 108

Qy      62 RKLRFQFLKMNSTGDFDLHLLKVSEGTILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 121
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      109 RKLRFQFLKMNSTGDFDLHLLKVSEGTILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 168

Qy      122 EQKKLNDLCFLKRLQEIKTCWNKILMGTKEH 153
        ||||||||||||||||||||||||||||||||||
Db      169 EQKKLNDLCFLKRLQEIKTCWNKILMGTKEH 200

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## RESULT 14

```

5229115-1
;Patent No. 5229115
; APPLICANT: LYNCH, DAVID H.
; TITLE OF INVENTION: ADOPTIVE IMMUNOTHERAPY WITH INTERLEUKIN-7
; NUMBER OF SEQUENCES: 2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/559,001
; FILING DATE: 26-JUL-1990
;SEQ ID NO:1:
; LENGTH: 151
5229115-1

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Query Match          95.6%; Score 765.5; DB 7; Length 151;
Best Local Similarity 98.0%; Pred. No. 1.6e-81;
Matches 149; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

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Qy      2 DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAA 61
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Db      1 DCDIGGKDGKQYESVLMVSIQQLDSMKEIGSMCLNNEFNFFKRHICDANKEGMFLFRAA 60

Qy      62 RKLRFQFLKMNSTGDFDLHLLKVSEGTILLNCTGQVKGRKPAALGEAQPTKSLEENKSLK 121
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      61 RKLRFQFLKMNSTGDFDLHLLKVSEGTILLNCTGQVKGRKPAALGEAQPTKSL-ENKSLK 119

```

```
Qy      122 EQKKLNDLCFLKRLQEIKTCWNKILMGTKEH 153
        |||
Db      120 EQKKLNDLCFLKRLQEIKTCWNKILMGTKEH 151
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```
RESULT 15
US-09-621-976-6902
; Sequence 6902, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 6902
; LENGTH: 89
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-621-976-6902
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Query Match      53.1%; Score 425; DB 2; Length 89;
Best Local Similarity 100.0%; Pred. No. 6.8e-42;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      28 MKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAARKLRQFLKMNSTGDFDLHLLKVSEGT 87
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Db      1  MKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAARKLRQFLKMNSTGDFDLHLLKVSEGT 60

Qy      88 TILLNCTGQVKGRKPAALGEA 108
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Db      61 TILLNCTGQVKGRKPAALGEA 81
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Search completed: August 14, 2007, 11:03:31
Job time : 39 secs
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SCORE 3.0
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